

FIG. 1 is a block diagram of a system architecture. The system includes a Virtual Data Store (11) at the top, which contains a Read-Only database (31) and a Read/Write database (27). The Read-Only database is connected to an Information Service (29), and the Read/Write database is connected to a Posting Service (25). Below the Virtual Data Store are two containers: a Service Requestor Container (17) and a Service Provider Container (19). The Service Requestor Container contains a Service Requestor (13), and the Service Provider Container contains a Service Provider (15). Both containers are connected to an Inter-prise Bus (21). The Inter-prise Bus is connected to a Security module (33) and a Systems Management module (35).

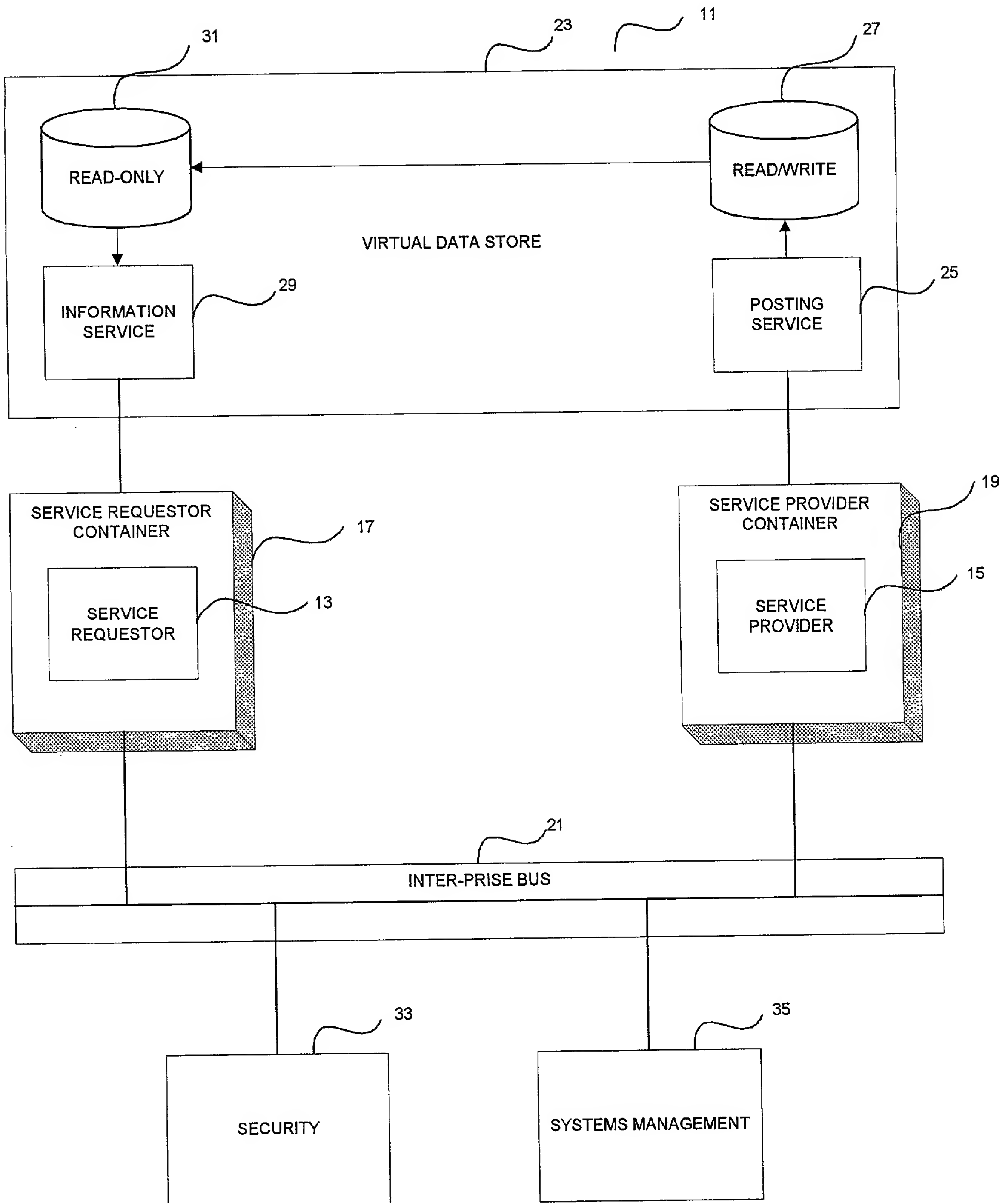


FIG. 1

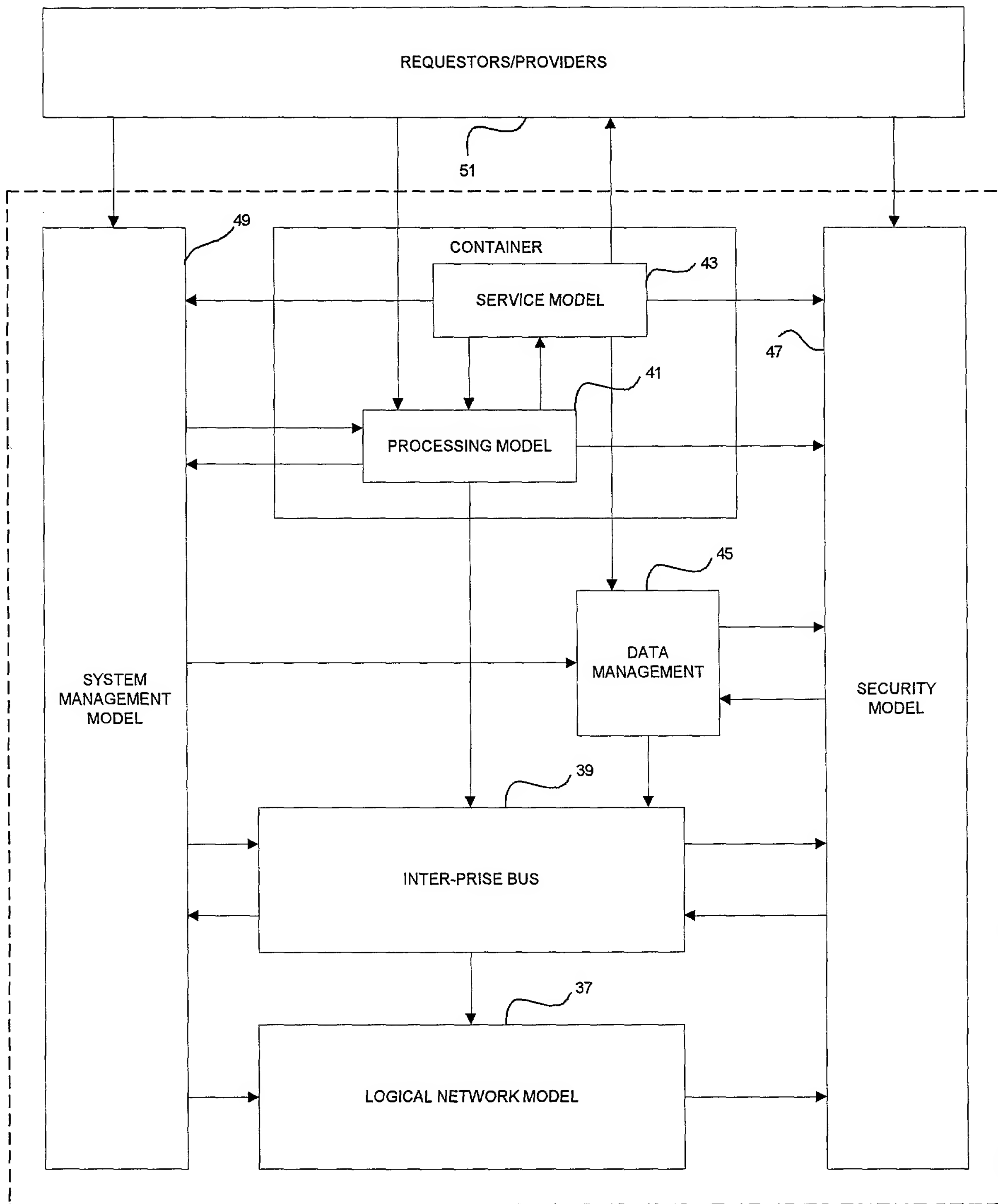


FIG. 2

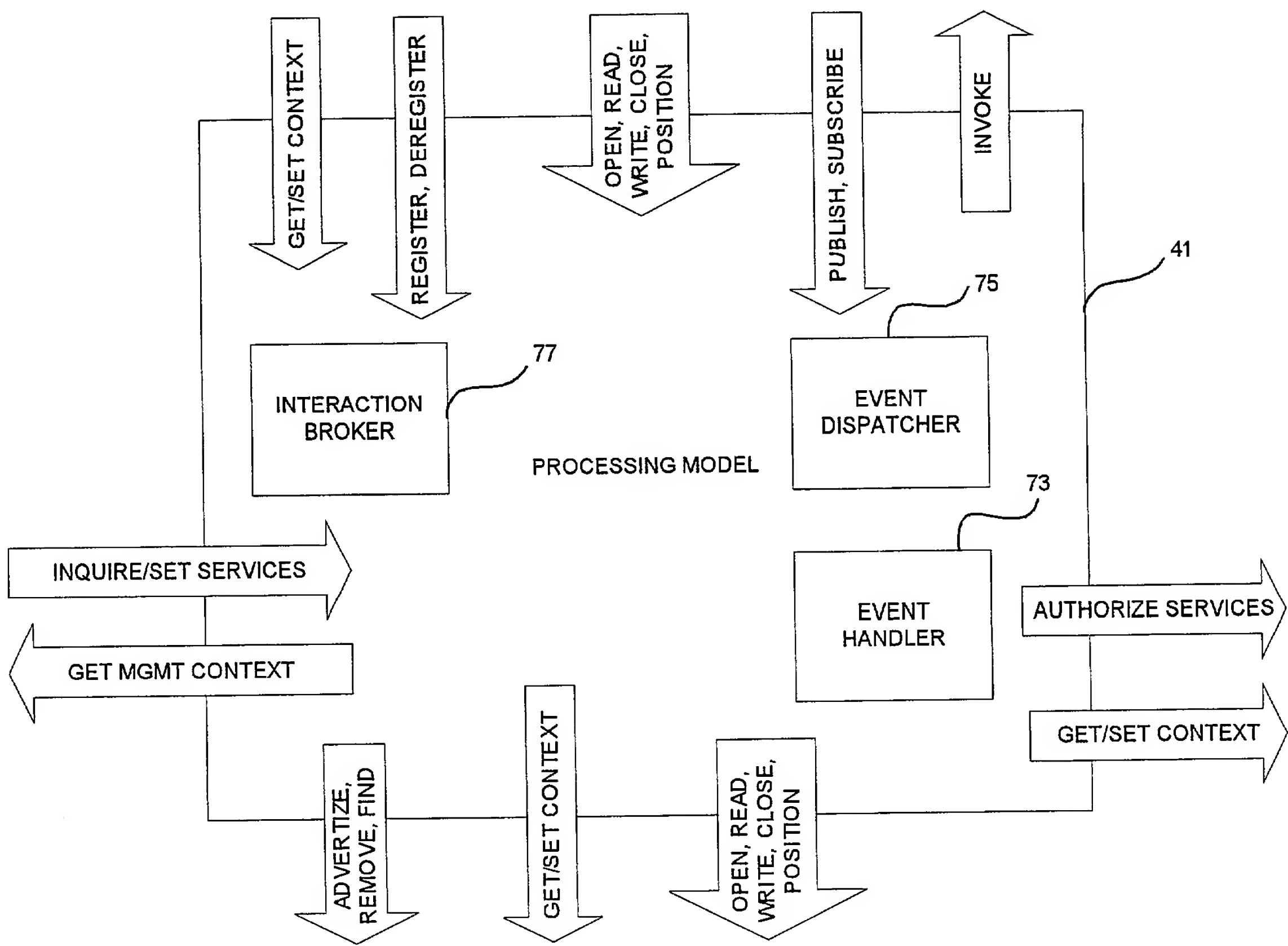


FIG. 3

FIG. 4 is a block diagram of a service model architecture. The architecture includes a central "SERVICE MODEL" block. Within this model, there are four main components: "PRODUCER" (71), "CONSUMER" (73), "SESSION" (95), and "ENTITY" (97). The "PRODUCER" and "CONSUMER" are at the top, while "SESSION" and "ENTITY" are at the bottom. The "SESSION" component is connected to the "PRODUCER" and "CONSUMER" via a "GET/SET CONTEXT" block. The "ENTITY" component is connected to the "SESSION" and "PRODUCER" via a "REGISTER, DEREGISTER" block. The "ENTITY" component is connected to the "CONSUMER" via a "PUBLISH, SUBSCRIBE" block. The "ENTITY" component is connected to the "SESSION" via an "OPEN, READ, WRITE, CLOSE, POSITION" block. The "ENTITY" component is connected to the "CONSUMER" via an "INVOKE" block. The "ENTITY" component is connected to the "SESSION" via an "INQUIRE/SET EPOCH" block. The "ENTITY" component is connected to the "CONSUMER" via an "AUTHORIZE FUNCTIONS" block. The "ENTITY" component is connected to the "CONSUMER" via a "PRIVATE PROTOCOL" block. The "ENTITY" component is connected to the "CONSUMER" via a "BUILD MANAGEMENT CONTEXT" block.

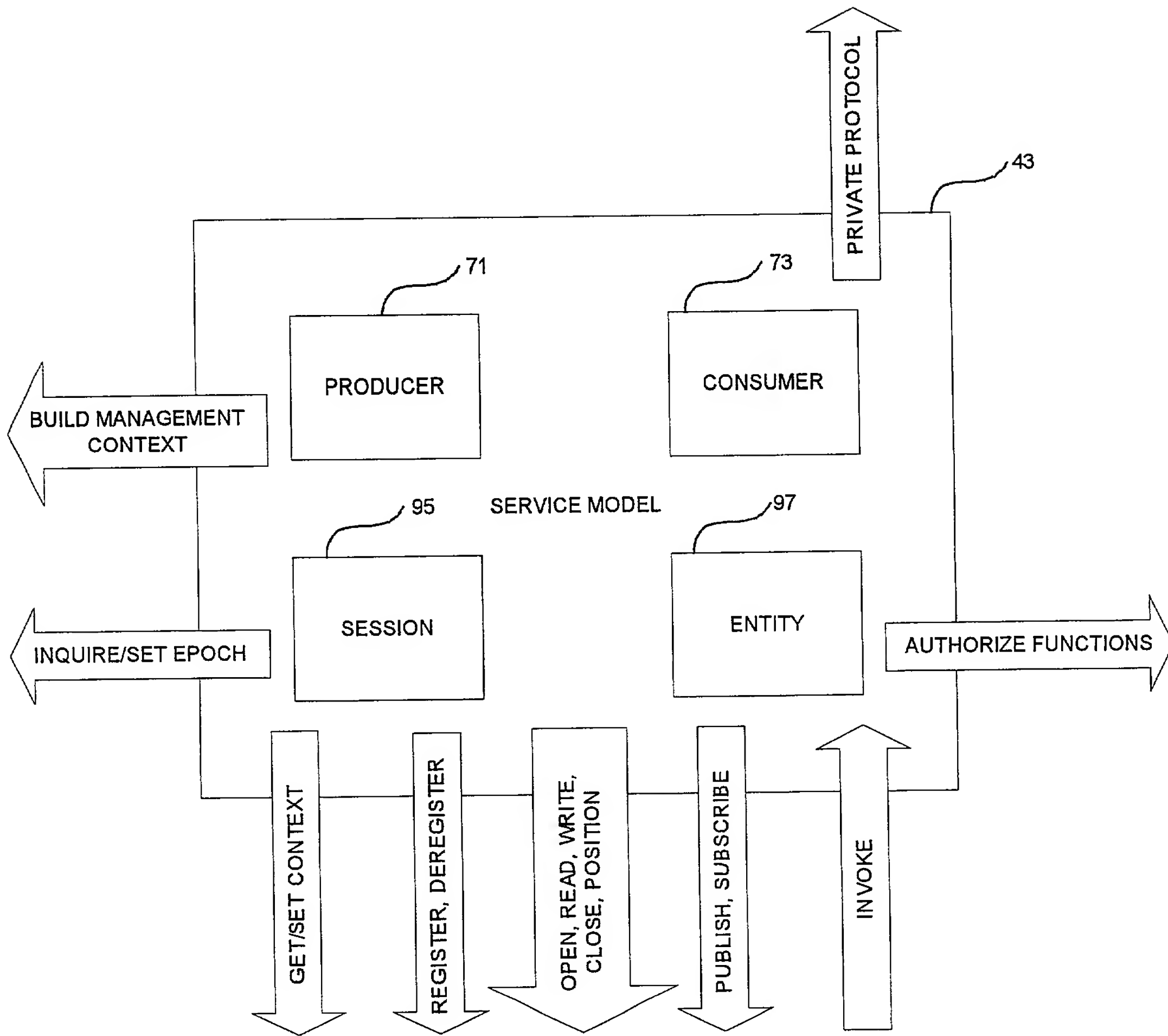


FIG. 4

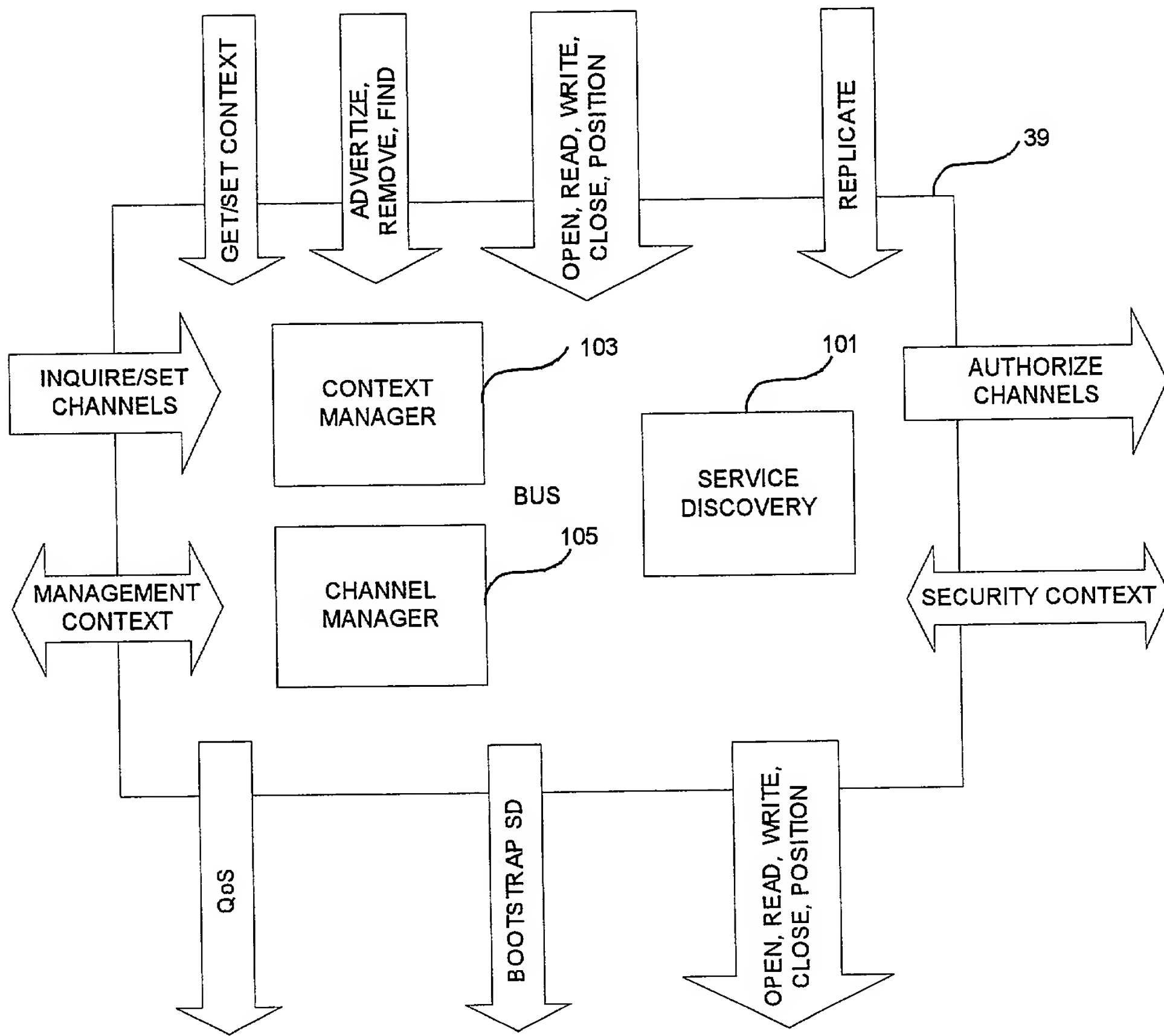


FIG. 5

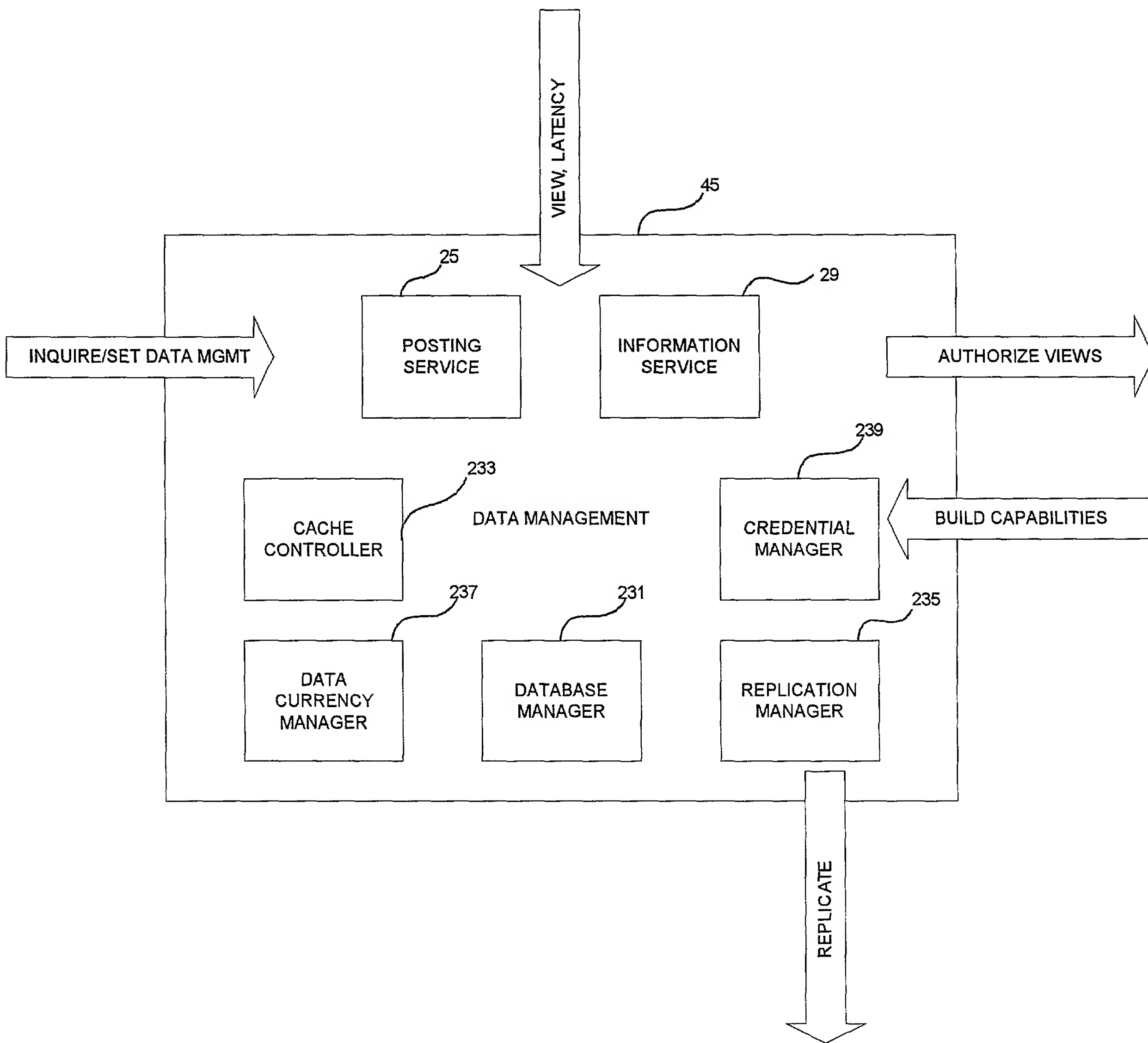


FIG. 6

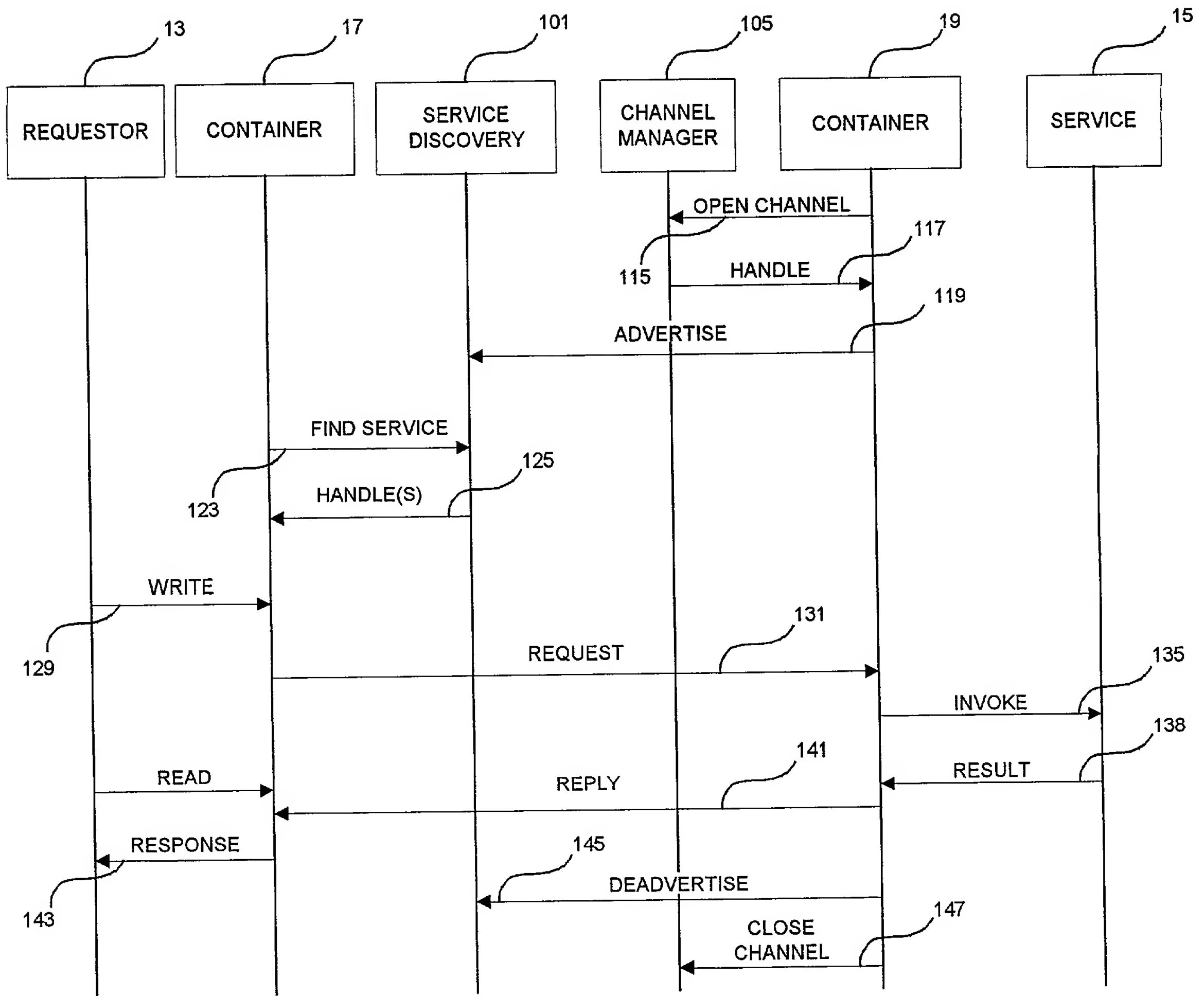


FIG. 7

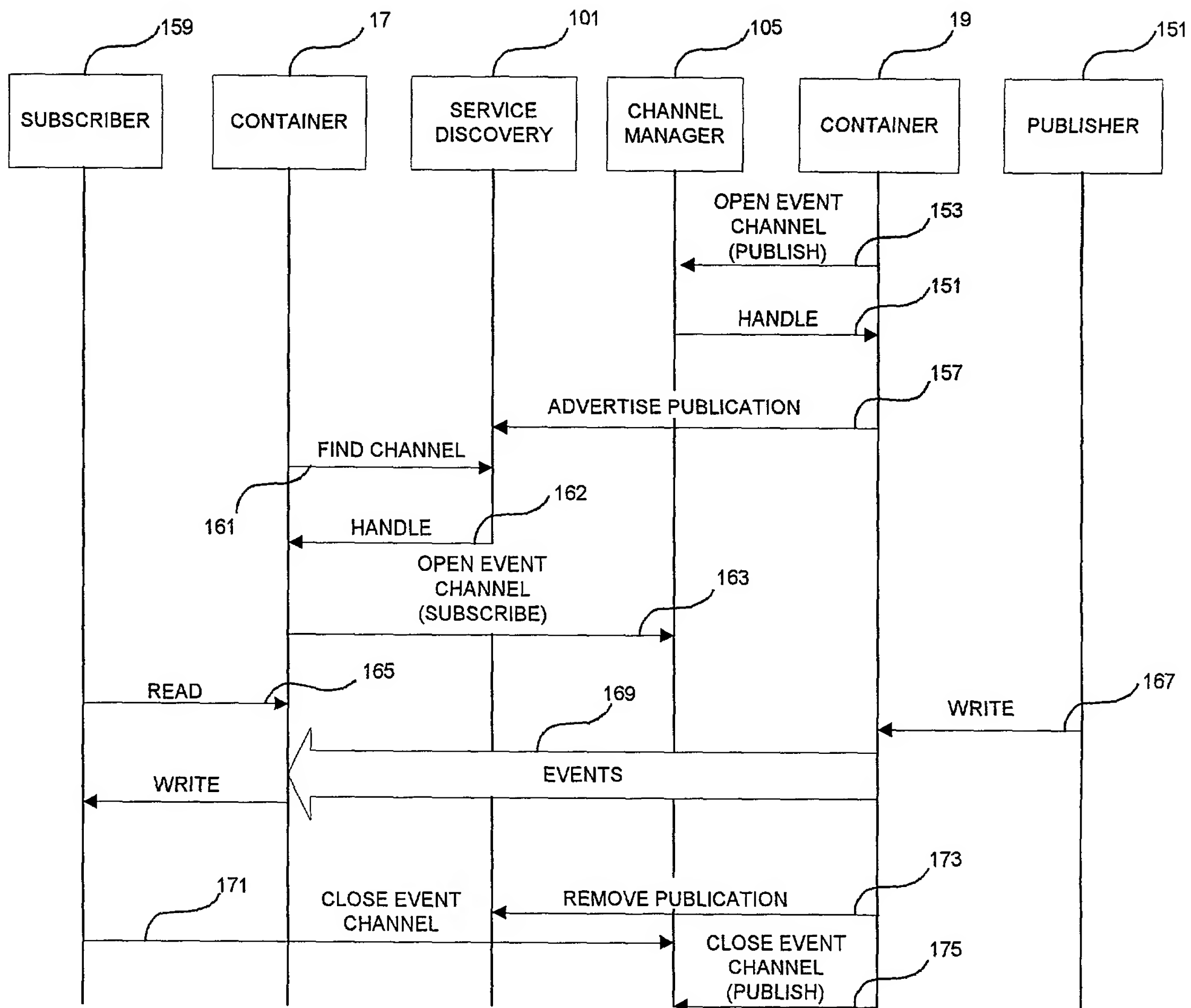


FIG. 8



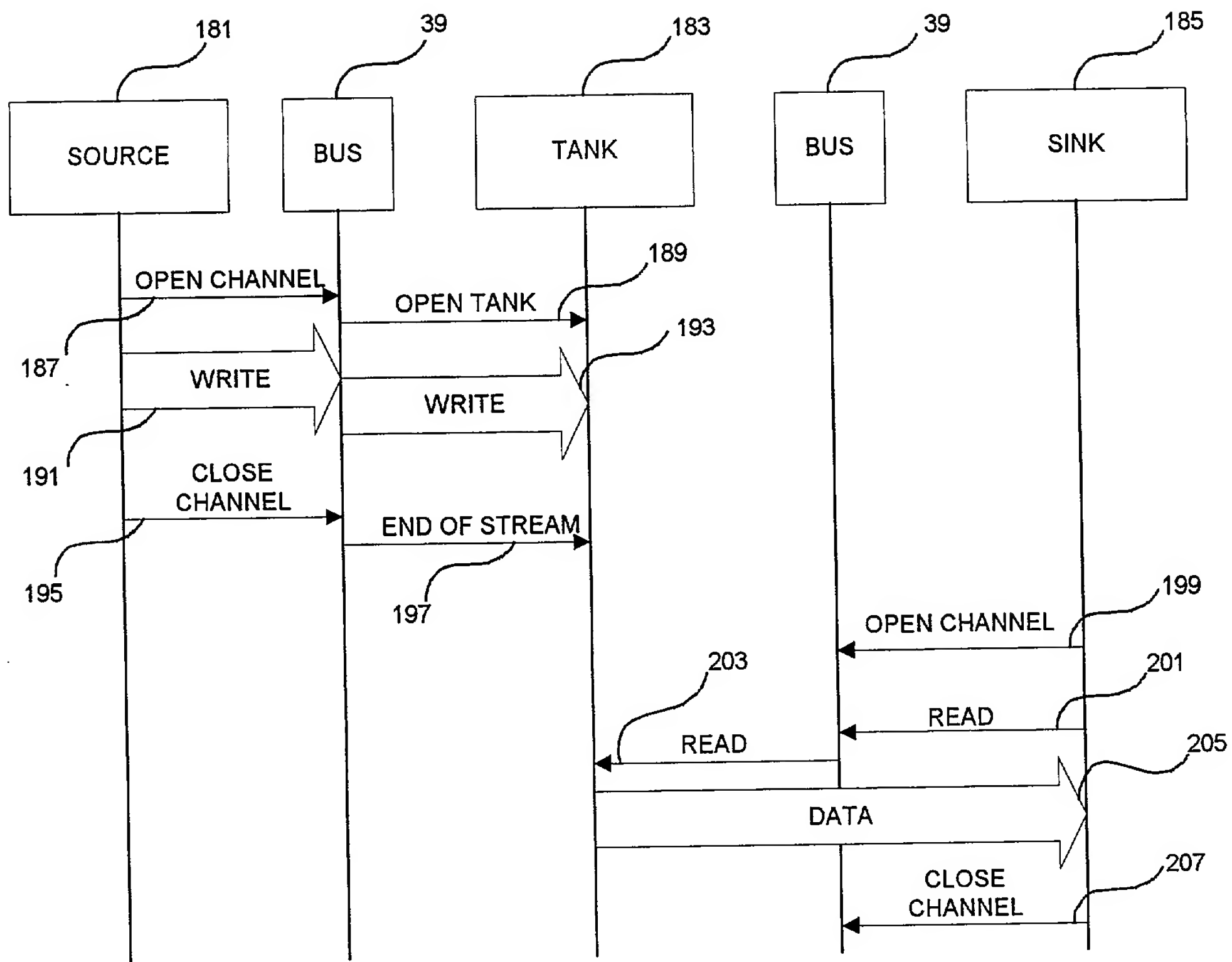


FIG. 9

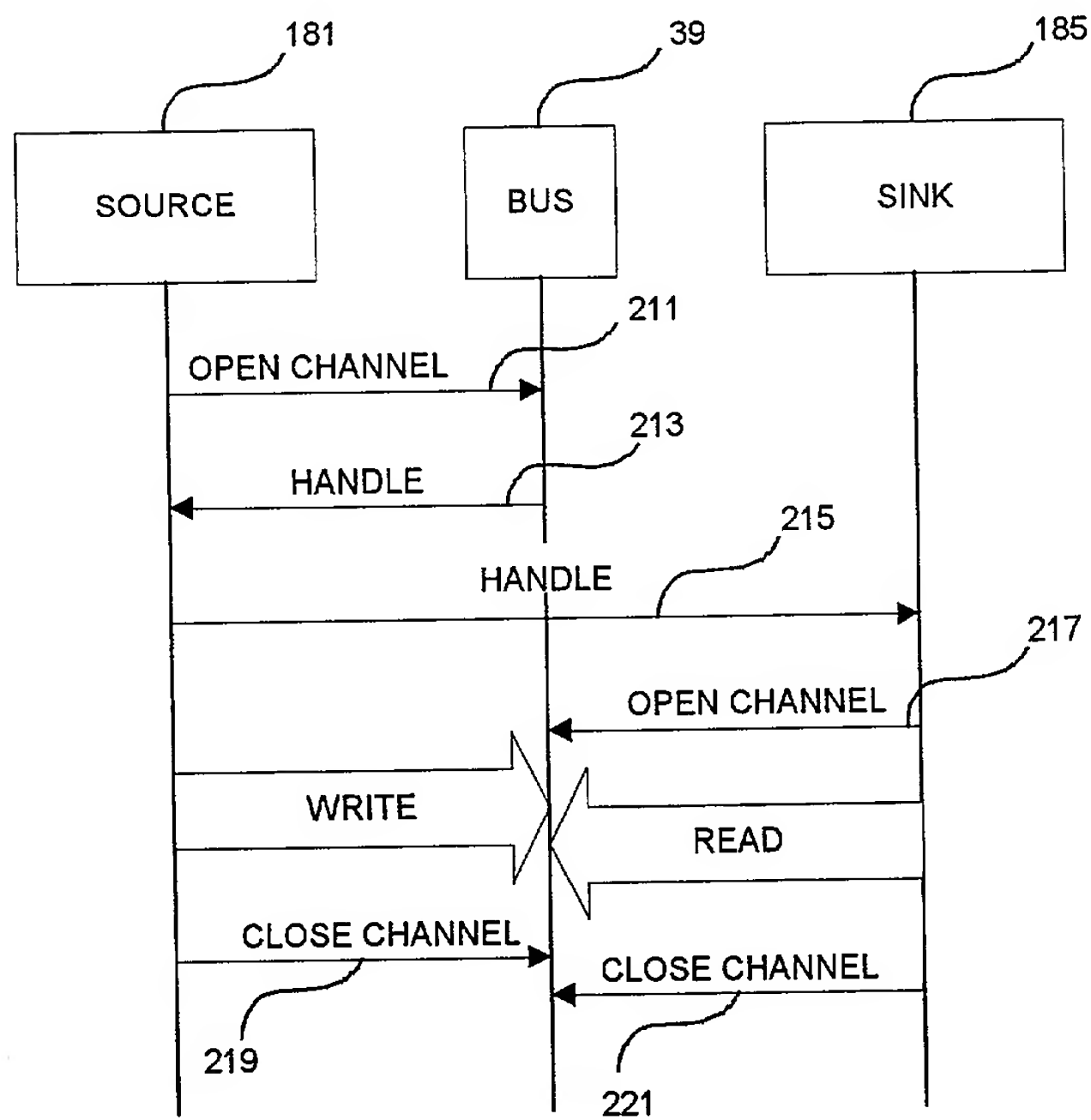


FIG. 10

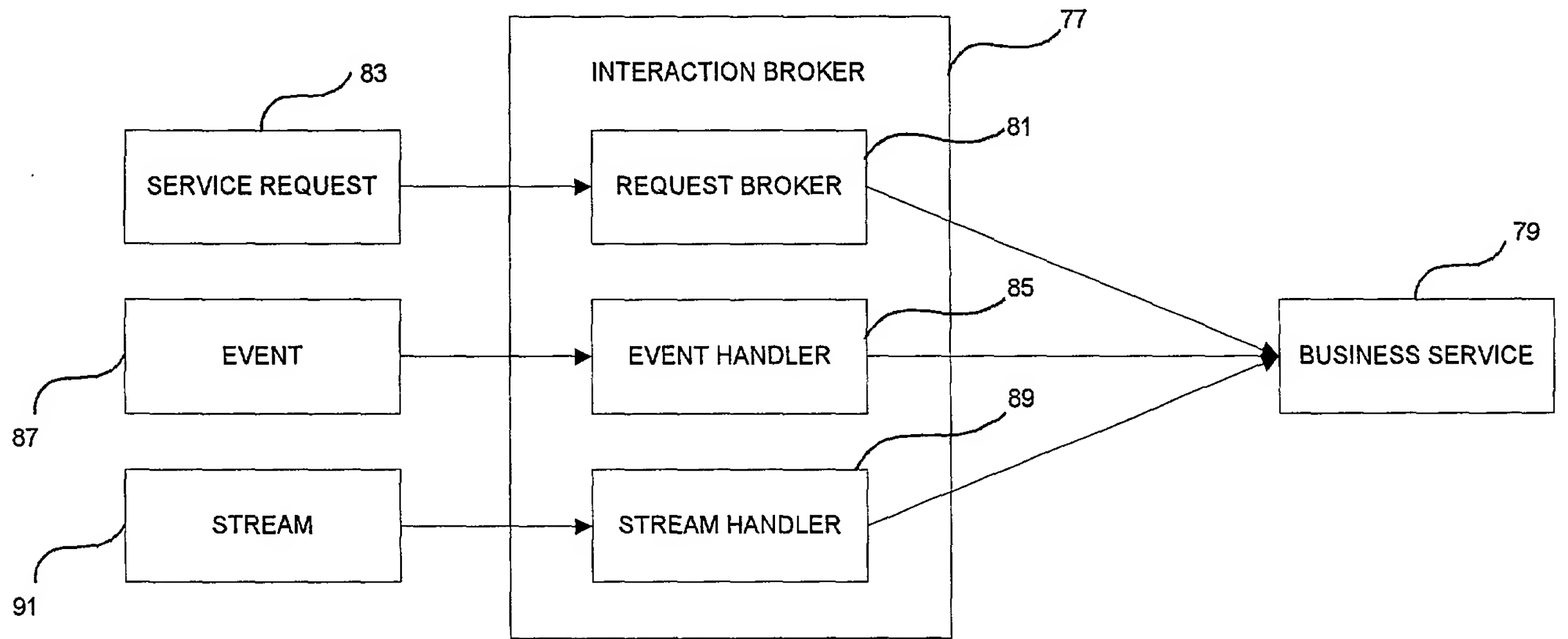


FIG. 11

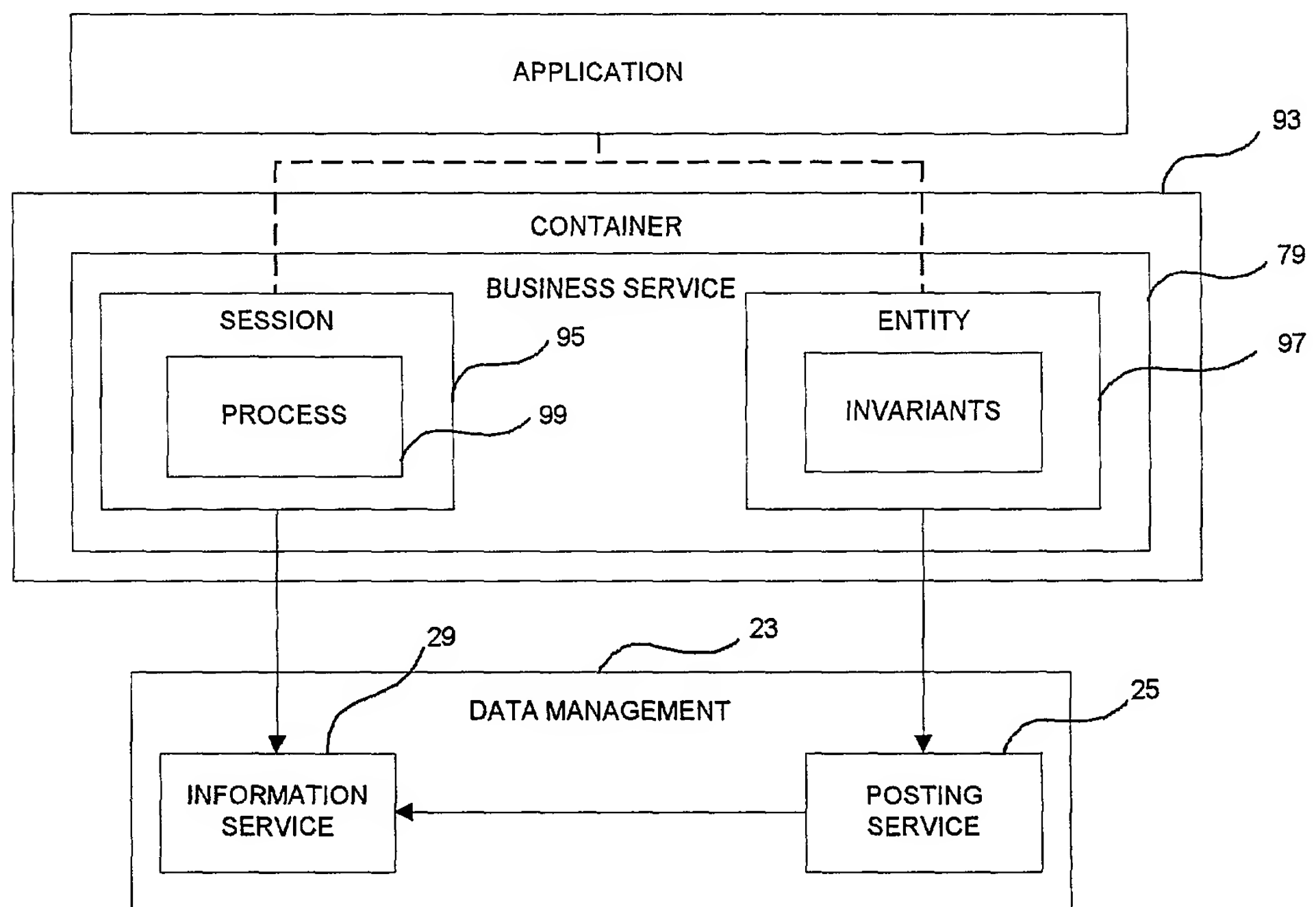


FIG. 12

FIG. 13 is a block diagram of a system architecture for a virtual data store.

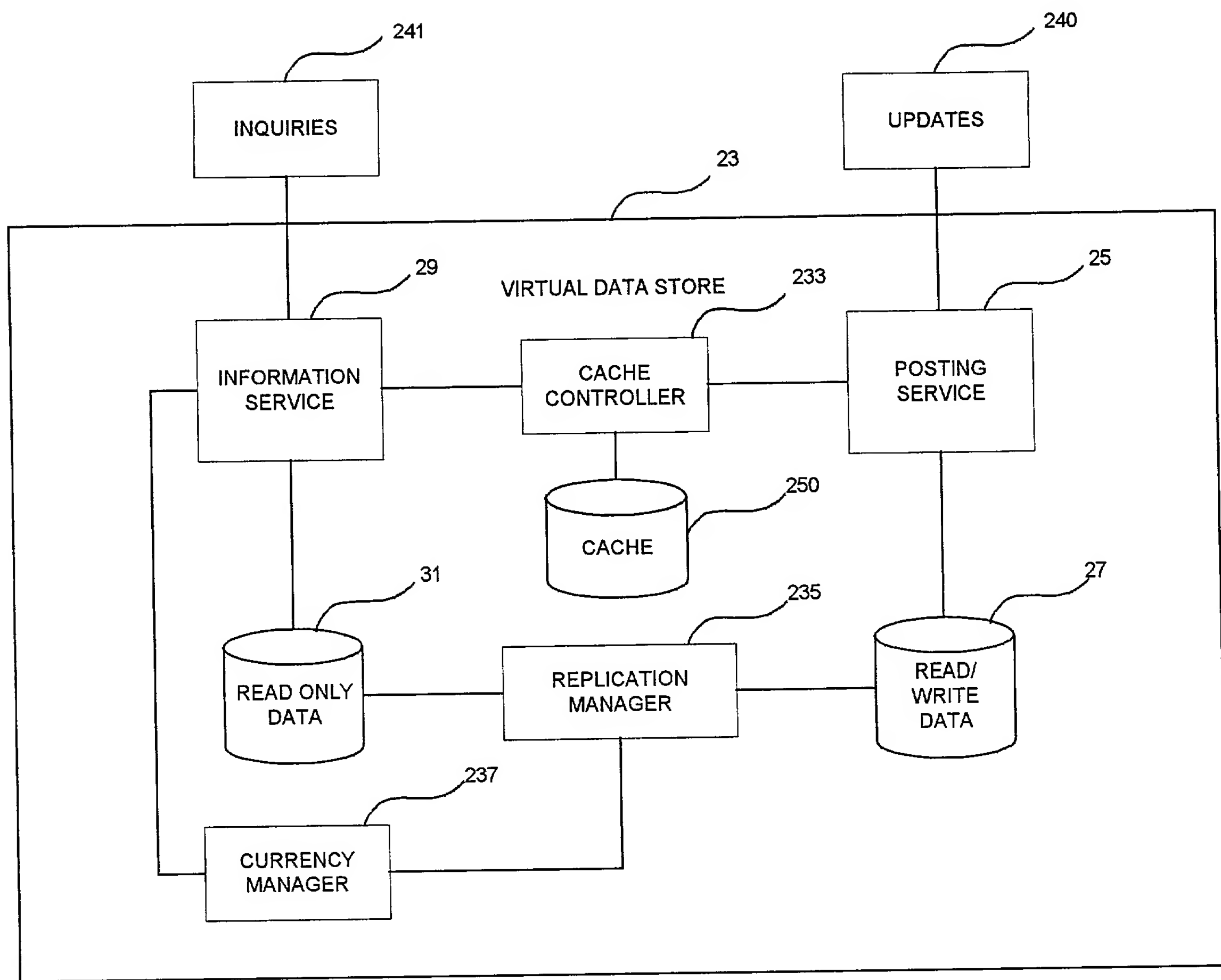


FIG. 13